

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Life Science**

**Photosynthesis & Cellular Respiration**

Directions: Follow the prezi at <http://prezi.com/thsuoroapkr/photosynthesis-and-cellular-respiration/> and answer the questions below.

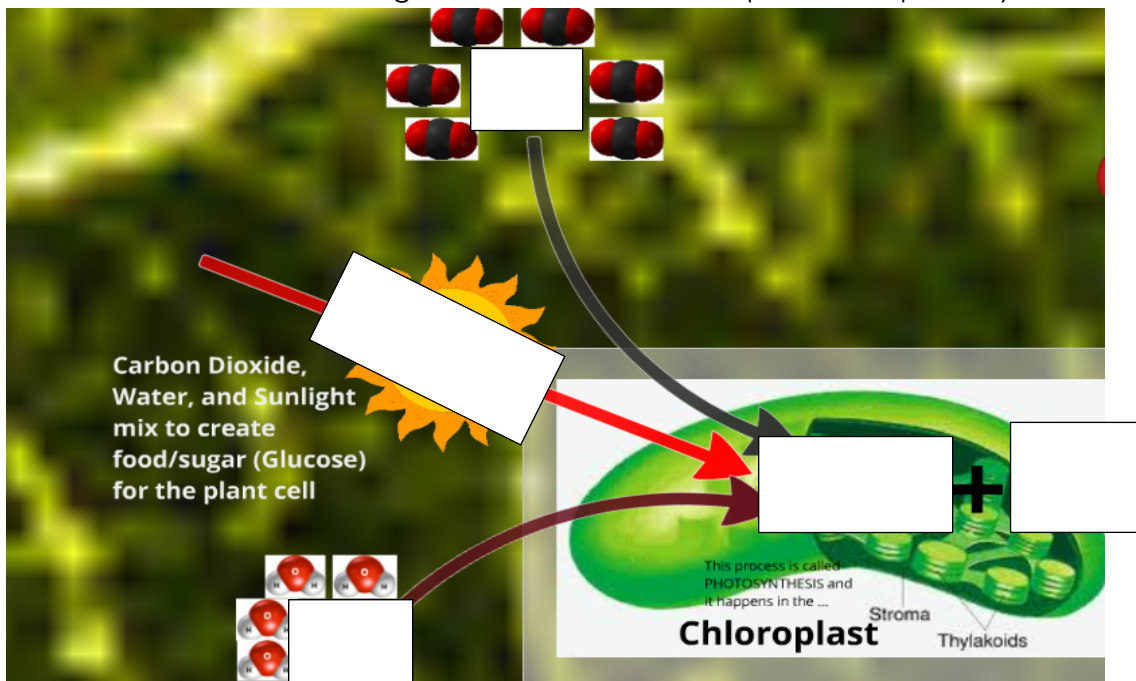
**Photosynthesis**

What type of cell is photosynthesis occurring in? \_\_\_\_\_

What cell part controls process of photosynthesis? \_\_\_\_\_

In your own words, what is photosynthesis? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Fill in the **5 blanks** in the diagram below to show the process of photosynthesis:



What is the reaction for photosynthesis?



How many molecules of Carbon Dioxide are used? \_\_\_\_\_

How many molecules of Water are used? \_\_\_\_\_

What is type of food is made and how many molecules? \_\_\_\_\_ & \_\_\_\_\_

How many molecules of Oxygen are made? \_\_\_\_\_

What happens to the oxygen made from photosynthesis? \_\_\_\_\_

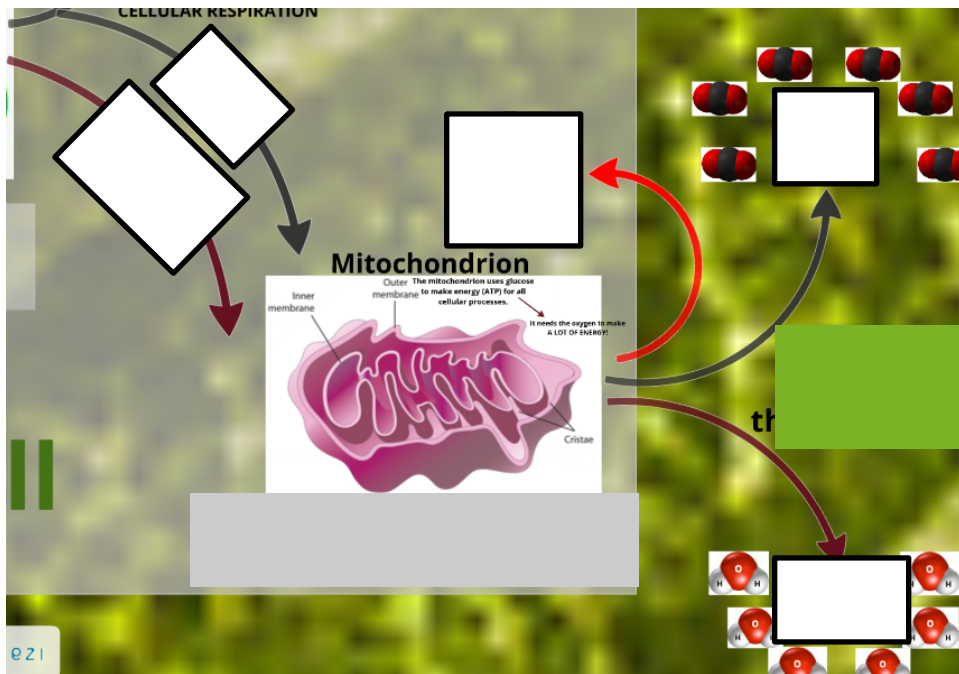
What happens to the glucose after photosynthesis? (little tricky – two parts to this answer) \_\_\_\_\_

## Cellular Respiration

What cell part controls the process of cellular respiration? \_\_\_\_\_

In your own words, what is cellular respiration? \_\_\_\_\_

Fill in the **5 blanks** in the diagram below to show the process of cellular respiration:



Why does the mitochondrion need oxygen? \_\_\_\_\_

How many molecules of **oxygen** are used? \_\_\_\_\_

How many molecules of **glucose** are used? \_\_\_\_\_

How many molecules of **carbon dioxide** are made? \_\_\_\_\_

How many molecules of **water** are made? \_\_\_\_\_

How many molecules of **energy** are made? \_\_\_\_\_

What is the reaction for cellular respiration?

What are they called? \_\_\_\_\_



Do plants (or any other organisms that use photosynthesis) need animals/humans to live?

Provide evidence. \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_